

An Upset Downhole Component

Abstract

A downhole component comprising a tube comprising an upset adapted for the passage of a transmission line. The tube of the downhole component further comprises an inside diameter, and the downhole component further comprises an elongate, generally cylindrical tool joint comprising a wall and a first interfacial surface. The upset is formed on an end of the tube and comprises a second interfacial surface and an effective inside diameter less than the inside diameter of the tube. The tool joint is attached to the upset on the tube at the first and second interfacial surfaces, and an opening formed within the wall of the tool joint is aligned with a passageway formed in the upset. The opening and the passageway cooperate to allow passage of a transmission line between the tool joint and the tube. The passageway in the upset may be formed at the time the upset is formed or afterwards.